



Sudheer Sugandham

Full Stack Developer , ML Enthusiast

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<https://my-portfolio-gray-phi-88.vercel.app/>

Technical Skills



Programming Languages:

Python, Java, C++, C,C#

Web Development:

HTML5,CSS3,BootStrap,Javascript, Flask, PHP, Django, Streamlit, FastAPI, REST APIS, Node.js,React.

Database:

MySQL, SQLite,Oracle, MongoDB.

Machine Learning & AI:

Scikit learn, Pandas, NumPy, Matplotlib, Data Analysis, ML Algorithms,RAG.

Tools & Platforms:

Git, GitHub, VS Code, Jupyter Notebook, Anti Gravity, Canva, Pycharm, Net Beans.

Soft Skills



- Leadership
- Teamwork
- Communication
- Time Management
- Problem Solving Adaptability
- Project Management

Achievements



- Winner- Swarnandra hackthon 2025
- First Prize – Startup Idea Competition 2025
- Winner – JNSMEE Science Fair 2019
- 5th Place – NSRIT Hackathon 2025
- Winner-PolyTech Fest 2022
- TypeSprint Winner - JNTUGV Fest 2023

Certifications



- Joy of Computing in Python - NPTEL
- Programming Basics - Coursera
- Introduction to GEN AI - Coursera
- Ethical Hacking - NPTEL
- SoftwareEngineering - NPTEL

Education



- B.Tech in CSE,GMR Institute of Technology, CGPA: 9.2 2024-2027
- Diploma in Computer Engineering, GPT Srikakulam-95.6% 2021-2024
- SSC, Government High School, Palakonda-100% 2020-2021

Profile



I am a passionate Full Stack Developer with a strong foundation in Computer Science and a keen interest in Artificial Intelligence.I thrive on creating innovative solutions that make a real difference., I am Currently pursuing B.Tech in Computer Science at GMR Institute of Technology, I combine technical expertise with a problem-solving mindset to deliver impactful projects. My journey is driven by curiosity, continuous learning, and a commitment to excellence in every challenge I undertake.

Work Experience



• Team Lead in HCL Technologies , Internship , 6 Months 2024

Led a team in developing a full stack bicycle monitoring system using PHP, MySQL, HTML, CSS, and JavaScript.

• Machine Learning Intern – Syber Spring Informatics

Internship for 1 Month 2025

Built and evaluated multiple machine learning models using Python and Scikit learn and built a Student Performance Prediction system.

Projects

1. **Smart Waste Route Optimizer:** Developed an AI-powered system to optimize waste collection routes, reducing fuel costs and emissions.
2. **Quantum ML Stock Predictor:** Built a quantum machine learning model for FTSE 100 stock prediction, integrating sentiment analysis.
3. **Urban Issue Reporter:** Built a Flask web application for public to report issues in their areas.
4. **Emergency Medical Information Platform(SIH 2024):** A web application to search for nearest medical services developed using flask and php also.
5. **eDNA Analysis for Species Identification(SIH 2025):** An app using eDNA ocean data to identify whether a species is new or existing.
6. **Disaster Management System:** An application to serve people by raising emergency alerts at time of disasters.
7. **Friendly Farmer (E-commerce):** Created an e-commerce platform connecting farmers directly with customers.
8. **Bicyclero:** Built a comprehensive bicycle management system for on-campus deployment with QR code scanning and maintenance scheduling.
9. **YOLOv8 Accident Detection System:** Implemented a real-time accident detection system using YOLOv8 for instant alerts and location sharing.
10. **Medical Coding Assistant:** An application that takes input as doctor prescription and generate ICD codes and suggest medicine using RAG.
11. **Drowsiness Detection for Anti Sleep Alarm Software:** Developed a solution for drowsiness detection for drivers and give alerts.
12. **Community Sustainability Tracker:** Developed an app to track and manage community sustainability initiatives like food wastage.
13. **PDF reader:** An application to convert unstructured pdf to raw json.

I hereby declare that the information provided above is true and correct to the best of my knowledge.